

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10	("20020017127" "20030036735" "20070218745" "5201725" "5509912").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/05 12:01
L2	5551	137/602,605,606,861,877,878,881.ccls. or 251/149,149.1,149.4.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/05 12:21
L3	13	l2 and @pd> "20081201"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/05 12:22
L4	73	l2 and @pd> "20080201"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/05 12:22
S1	1	"6609454".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/17 09:06
S2	1	10/577662	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/01/17 12:09
S3	115	137/877.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/01/22 14:56
S4	1	10/557832	US-PGPUB; USPAT	ADJ	ON	2008/01/23 12:01
S5	1	10/577832	US-PGPUB; USPAT	ADJ	ON	2008/01/23 12:04
S6	1	11/628723	US-PGPUB; USPAT	ADJ	ON	2008/01/23 12:06
S7	115	137/877.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:18
S8	1	137/877.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) with (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4) with (taper\$4 or conical \$3))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:27
S9	0	137/877.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) with (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4) wi)	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:31
S10	1	137/877.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) with (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:31
S11	1	137/877.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) with (taper\$4 or conical\$3))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:31

S12	1	137/877.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) same (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4) same (taper\$4 or conical\$3))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:32
S13	1	137/877.ccls. and ((deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4) same (taper\$4 or conical\$3))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:32
S14	1	137/877.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) same (taper\$4 or conical\$3))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:32
S15	2	137/877.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) same (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:32
S16	27	137/861-887.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) same (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:35
S17	1	137/861-887.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) with (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4) with (taper\$4 or conical\$3))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:35
S18	1	137/861-887.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) same (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4) same (taper\$4 or conical\$3))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:35
S19	27	137/861-887.ccls. and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) same (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:36
S20	0	("2003/0226605").URPN.	USPAT	ADJ	ON	2008/02/07 09:56
S21	135	"pinch valve" and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) same (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:56
S22	57	"pinch valve" and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) with (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:57
S23	96	"pinch valve" and ((multiport or multi-port) or (multiple near3 inlet))	US-PGPUB; USPAT	ADJ	ON	2008/02/07 09:58
S24	0	("2003/0226605").URPN.	USPAT	ADJ	ON	2008/02/07 14:10
S25	1	09-108361	USPAT	ADJ	ON	2008/02/07 15:40
S26	6	("5295657" "5295658" "5501426" "5533708" "5676346" "6050978").PN. OR ("6808161").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/07 15:41
S27	6	("5295657" "5295658" "5501426" "5533708" "5676346" "6050978").PN. OR ("6808161").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/11 15:07
S28	6	("5295657" "5295658" "5501426" "5533708" "5676346" "6050978").PN. OR ("6808161").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/11 15:26

S29	125	("0041392" "0515626" "0558848" "0584091" "2212733" "2342192" "2371434" "2585527" "3002660" "3349972" "3490732" "3624800" "3823840" "3837381" "3853127" "3965925" "3977400" "4244478" "4334551" "4475548" "4655752" "4752287" "4809679" "4867198" "4874377" "5053013" "5064416" "5071017" "5080654" "5100394" "5108380" "5122123" "5125903" "5135489" "5188620" "5199948" "5201717" "5201725" "5203775" "5211638" "5215538" "5242393" "5251873" "5269771" "5295657" "5295658" "5300034" "5326534" "5354275" "5487728" "5501426" "5501676" "5509912" "5514116").PN. OR ("5676346"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/11 15:27
S30	145	("20030032940" "20030060779" "20030136932" "20030183795" "20040124389" "2931668" "2968497" "3127892" "3304047" "3334860" "3986508" "4066067" "4080965" "4121585" "4133441" "4195632" "4233982" "4245635" "4340049" "4379458" "4387879" "4397442" "4457749" "4511359" "4623332" "4662878" "4723603" "4774964" "4774965" "4781702" "4816024" "4834271" "4862913" "4883483" "4915687" "4917669" "4935010" "4950260" "5006114" "5065783" "5070885" "5098385" "5108376" "5122123" "5139483" "5147333" "5154703" "5199948" "5201725" "5203775" "5211634" "5215537" "5215538" "5242393" "5251873" "5269771" "5273533" "5279571" "5281206" "5284475" "5295657" "5306243" "5330450" "5334159" "5344414" "5360413" "5370636" "5380306" "5385372" "5390898" "5395348" "5397314" "5400500" "5401245" "5402982" "5405323" "5405331" "5405333" "5411499" "5417673" "5423791" "5425465" "5433330" "5439451" "5441487" "5456668" "5456675" "5464399" "5470319" "5470327" "5474536" "5480393" "5492147" "5501426" "5514117" "5518026" "5520665" "5533708" "5533983" "5540661" "5549566" "5549577" "5549651" "5552118" "5555908" "5569235" "5573516" "5575769" "5578059" "5584819" "5597536" "5616129" "5616130" "5645538" "5674206" "5676346" "5685866" "5738144" "5779074" "5782816" "5806831" "5820601" "5839715").PN. OR ("5848994" "6029946" "6068011" "6079432" "6106502" "6113068" "6142446" "6206860" "6290206" "6299132" "6485472" "6541802" "6745998" "7140592" "RE34223" "RE35539" "RE35841").PN. OR ("7306566").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/11 15:28

S31	51	("4440207" "4610469" "5065783" "5147329" "5242432" "5251873" "5269771" "5360413" "5380306" "5439451" "5470319" "5492147" "5518005" "5520666" "5536258" "5549577" "5616129" "5616130" "5618268" "5645538" "5658260" "5685866" "5694686" "5741121" "5806831" "5839715").PN. OR ("6113068").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/11 15:37
S32	72	("3977555" "4063460" "4134512" "4246899" "4301936" "4338764" "4838855" "4874377" "5064416" "5100394" "5122129" "5135489" "5154703" "5158554" "5171234" "5188620" "5203775" "5215538" "5269771" "5273533" "5286453" "5324256" "5360012" "5360413" "5380306" "5401245" "5439451" "5470319" "5474544" "5520665" "5520666" "5549566" "5549577" "5578059" "5616129" "5620434").PN. OR ("5820601").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/11 15:46
S33	81	("4080965" "4121585" "4511359" "4512766" "4617012" "4950260" "5065783" "5122123").PN. OR ("5273533").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/11 17:08
S34	125	("0041392" "0515626" "0558848" "0584091" "2212733" "2342192" "2371434" "2585527" "3002660" "3349972" "3490732" "3624800" "3823840" "3837381" "3853127" "3965925" "3977400" "4244478" "4334551" "4475548" "4655752" "4752287" "4809679" "4867198" "4874377" "5053013" "5064416" "5071017" "5080654" "5100394" "5108380" "5122123" "5125903" "5135489" "5188620" "5199948" "5201717" "5201725" "5203775" "5211638" "5215538" "5242393" "5251873" "5269771" "5295657" "5295658" "5300034" "5326534" "5354275" "5487728" "5501426" "5501676" "5509912" "5514116").PN. OR ("5676346").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/11 17:37
S35	6	("5295657" "5295658" "5501426" "5533708" "5676346" "6050978").PN. OR ("6808161").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/12 08:54
S36	125	("0041392" "0515626" "0558848" "0584091" "2212733" "2342192" "2371434" "2585527" "3002660" "3349972" "3490732" "3624800" "3823840" "3837381" "3853127" "3965925" "3977400" "4244478" "4334551" "4475548" "4655752" "4752287" "4809679" "4867198" "4874377" "5053013" "5064416" "5071017" "5080654" "5100394" "5108380" "5122123" "5125903" "5135489" "5188620" "5199948" "5201717" "5201725" "5203775" "5211638" "5215538" "5242393" "5251873" "5269771" "5295657" "5295658" "5300034" "5326534" "5354275" "5487728" "5501426" "5501676" "5509912" "5514116").PN. OR ("5676346").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/12 08:58

S37	24	("20020147431" "4343788" "4479795" "4603152" "4810241" "4919658" "5049139" "5195994" "5215538" "5242432" "5354267" "5360413" "5509433" "5536258" "5676346" "5699821" "5820601" "6029946" "6039302" "6117114" "6273875" "6290206" "6428520" "RE35841").PN. OR ("7184825").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/12 09:01
S38	12	("5057093" "5242432" "5284475" "5295658" "5390898" "5439451" "5676346" "5699821" "5782816").PN. OR ("6491668").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/12 11:03
S39	25	("4723694" "4798226" "5031675" "5061253" "5085645" "5509433" "5535785" "5569235").PN. OR ("5782816").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/12 11:04
S40	27	("3570484" "3901246" "4018231" "4147170" "4429856" "4449693" "4710168" "4722727" "4915687").PN. OR ("5061253").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/12 11:06
S41	30	("0605693" "3601151" "3831629" "3901246" "4143853" "4310140" "4340049" "Re25788").PN. OR ("4449693").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/12 11:12
S42	2689	(251/149\$).ccls.	US-PGPUB; USPAT	ADJ	ON	2008/02/12 12:37
S43	827	(251/149,149.1,149.4).ccls.	US-PGPUB; USPAT	ADJ	ON	2008/02/12 12:38
S44	0	137/602,605,606	US-PGPUB; USPAT	ADJ	ON	2008/02/12 12:38
S45	1731	137/602,605,606.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/02/12 12:38
S46	1731	(137/602,605,606).ccls.	US-PGPUB; USPAT	ADJ	ON	2008/02/12 12:38
S47	806	(137/861,877,878,881).ccls.	US-PGPUB; USPAT	ADJ	ON	2008/02/12 12:39
S48	1	10/577662	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/04 19:04
S49	2474	137/874,877,602,606.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/05 10:07
S50	17	S49 and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) same (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4))	US-PGPUB; USPAT	ADJ	ON	2008/09/05 10:08
S51	71	S49 and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split))	US-PGPUB; USPAT	ADJ	ON	2008/09/05 10:09
S52	54	S51 not S50	US-PGPUB; USPAT	ADJ	ON	2008/09/05 10:09
S53	13	(yokota.in. near2 takayuki.in.) or (yoshinori.in. near2 Hishikawa.in.)	US-PGPUB; USPAT	ADJ	ON	2008/09/05 10:11

S54	0	ep1683534	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/09/05 10:40
S55	8	"1683534"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/09/05 10:40
S56	1	jp2003144546	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/09/05 10:41
S57	2	"2003144546"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/09/05 10:41
S58	814	251/149.6.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/09/08 12:20
S59	1	S58 and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split) with (deform\$5 or buckl\$4 or flex\$4 or warp\$4 or bend\$4 or contort\$4) with (taper\$4 or conical\$3))	US-PGPUB; USPAT	ADJ	ON	2008/09/08 12:20
S60	86	S58 and ((slit or cleavage or cleft or crack or crevice or fissure or incision or split))	US-PGPUB; USPAT	ADJ	ON	2008/09/08 12:21
S61	0	("2005/0151105").URPN.	USPAT	OR	OFF	2008/09/08 12:21
S62	43	("20030060779" "2931668" "2968497" "4233982" "4245635" "4379458" "4862913" "5065783" "5098385" "5203775" "5211634" "5334159" "5380306" "5397314" "5405323" "5405333" "5492147" "5514117" "5520665" "5540661" "5575769" "5578059" "5584819" "5645538" "5676346" "5738144" "5782816" "5806831" "5839715" "5848994" "6068011" "6079432" "6106502" "6113068" "6142446" "6206860" "6299132" "6485472" "7044441" "7100891" "RE35841").PN. OR ("7306198").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/08 12:22
S63	94	("0921691" "1542421" "2123889" "2441344" "2585887" "3314696" "3450424" "3453005" "3534988" "3538940" "3574359" "3584902" "3711125" "3718350" "3724882" "3826523" "3929356" "3929357" "3933378" "3980324" "4005883" "4009896" "4080752" "4111464" "4123089" "4123091" "4128264" "4135745" "4214586" "4219222" "4266814" "4423892").PN. OR ("4541658").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/08 12:58
S64	1	(US-20070028979-\$).did.	US-PGPUB	OR	OFF	2008/09/08 14:20
S65	0	S64 and skew.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/08 14:20

S66	1	S64 and skew.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/08 14:20
S67	0	S64 and pin.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/08 14:25
S68	0	S64 and pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/08 14:25
S69	1	10/577832	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/08 14:31
S70	1	(US-20070073272-\$).did.	US-PGPUB	OR	OFF	2008/09/08 14:52
S71	1	S70 and "side slit".clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/08 14:52
S72	724	204/ 167.04,244,246.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/08 15:40
S73	1305	604/ 167.04,244,246.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/08 15:43
S74	140	("2964292" "4197848" "4456223" "4535819" "4745950" "4765588" "4934655" "4953594" "4955407" "5006114" "5049128" "5061253" "5065783" "5104389" "5108380" "5147333" "5163922" "5203775" "5230706" "5242393" "5242423" "5251873" "5269771" "5281206" "5289849" "5330450" "5344414" "5353837" "5360413" "5380306" "5390898" "5395348" "5401245" "5423791" "5425465" "5439451" "5441487" "5462255" "5466219" "5509433" "5509912" "5533983" "5535771" "5535785" "5540661" "5549577" "5569235" "5573516" "5584808" "5616129" "5620434" "5624414" "5645538" "5674206" "5676346" "5685866" "5690612" "5694686" "5695466" "5699821" "5700248" "5730418" "5738663" "5743894" "5749861" "5776113" "5782816" "5785693" "5788215" "5806551" "5806831" "5810768" "5810792" "5810793" "5839715" "5848994" "5873862" "5901942" "5921264" "5921419" "5928204" "5957898" "5967490" "5971950" "6019748" "6029946" "6036171"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/08 16:29

		"6039302" "6045534" "6063062" "6068011" "6083194" "6106502" "6113068" "6117114" "6127320" "6132403" "6132404" "6142446" "6168137" "6170800" "6171287" "6189859" "6228069" "6245048" "6245056" "6261282" "6273869" "6290206" "6290688" "6299131" "6299132" "6325782" "6344033" "6364869" "6428520" "6482188" "6491668" "6541802" "6572592" "6585229" "6599273" "6616627" "6626418" "6635044").PN. OR ("6641561" "6645170" "6669673" "6669681" "6682509" "6695817" "6706022" "6755391" "6758833" "6802490" "6840501" "6855138" "6869426" "6871838").PN. OR ("7314061").URPN.				
S75	31	("4749003" "5122123" "5203775" "5242432" "5353837" "5360413" "5439451" "5509433" "5616129" "5616130" "5676346" "5685866" "5699821" "5820601" "5836923" "5839715" "6029946" "6048335" "6050978" "6063062" "6152900" "6183448" "6245048" "6428520").PN. OR ("6802490").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/08 16:30
S76	30	("4473369" "4745950" "5269771" "5441487" "5492147" "5520666" "5578059").PN. OR ("6063062").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/08 17:03
S77	14	("5242432" "5360408" "5380306" "5439451" "5470319" "5509912" "5520665" "5520666" "5549577" "5694686" "6050978" "6063062" "6113068" "6299131").PN. OR ("7037302").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/08 17:08
S78	1742	(137/602,605,606).cccls.	US-PGPUB; USPAT	ADJ	ON	2008/09/08 17:54
S79	814	(137/861,877,878,881).cccls.	US-PGPUB; USPAT	ADJ	ON	2008/09/08 17:54
S80	2531	S78 or S79 not S72	US-PGPUB; USPAT	ADJ	ON	2008/09/08 17:54
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S85	1	10/598290	US-PGPUB; USPAT	ADJ	ON	2008/09/11 13:01
S86	1159	137/487.5.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/09/11 13:18
S87	2	10/577662	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/04 18:38
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S95	15	"200400159"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/04 20:27
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